

ABSTRACT

A boring apparatus and method for in-situ repair of motor vehicle axles includes a universal mounting plate assembly for attachment to a vehicle axle, both longitudinal (on-axis) and transverse (radial) adjustment assemblies, a bearing assembly and a boring bar and drive assembly having a pair of motor drive units for rotating (speed) and axially advancing (feed) the boring bar. The longitudinal and transverse adjustment assemblies facilitate use of the boring apparatus on a wide variety of vehicle and truck axles from virtually all manufacturers to repair broken axles or damaged bearing surfaces.